Please send a cover letter stating research aims and a CV to: Dekan der Fakultät für Elektrotechnik und Informationstechnik der RWTH Aachen, Prof. Dr.-Ing. Jens-Rainer Ohm, 52056 Aachen.

You can also send your application via email to dekan@fb6.rwth-aachen.de. Please note, however, that communication via unencrypted email poses a threat to confidentiality as it is potentially vulnerable to unauthorized access by third parties. For information on the collection of personal data pursuant to Articles 13 and 14 of the General Data Protection Regulation (GDPR), please visit www.rwth-aachen.de/gdpr-information.

The deadline for applications is September 15, 2023.

This position is also available on a part-time basis per request. We welcome applications from all suitably qualified candidates regardless of gender. RWTH Aachen University is certified as a family-friendly university and offers a dual career program for partner hiring. We particularly welcome and encourage applications from women, disabled people and ethnic minority groups, recognizing they are underrepresented across RWTH Aachen University. The principles of fair and open competition apply and appointments will be made on merit.

RWTH Aachen University is one of Germany’s pre-eminent Universities of Excellence, which entails the highest quality in teaching and world-class research. RWTH addresses bold, scientific questions; it also assumes a profound responsibility toward society and transfers its knowledge into meaningful applications. RWTH strives for the convergence of knowledge, methods, and findings from its research fields and integrates in-depth disciplinary knowledge into interdisciplinary research consortia represented as profile areas. The university’s dynamic, creative, and international environment encompasses efficient research networks, institutionalized cooperations, and, most of all, the innovative RWTH Campus-Project which harbors one of the most extensive technology-oriented research landscapes in Europe.

Full Professor (W3) in Signal Processing in Communication Engineering

at the Faculty of Electrical Engineering and Information Technology

We are inviting applications for the position of full professor in the area of signal processing in communication engineering, to be filled as soon as possible. Recognized expertise in more than one of the following areas is expected:

- Signal processing for transformation, representation, and transmission of multi-modal and multi-dimensional signals
- Source coding of media and feature data for purposes of both human and machine consumption
- Statistical signal processing algorithms for resilient and secure communication systems
- Algorithm and systems architecture development in the given field, considering capability for real-time implementation and sustainability aspects

Experience in domains such as media compression, sensing and communications, modeling of visual perception, extended reality, industrial and medical applications is appreciated. The successful candidate’s research profile complements the topics in the Faculty of Electrical Engineering and Information Technology and strengthens interdisciplinary collaboration, from RWTH Aachen University to international level. It is expected that the chair contributes to the curriculum in the areas above, including the teaching of fundamental lectures in the bachelor programs of the faculty.

The requirements include a doctoral degree and additional research experience, such as a habilitation (post-doctoral lecturing qualification) or equivalent achievements gained as a university researcher or professor or in a research position outside academia. Teaching ability and dedication are essential and the application should include proof of this. Fluent German is not required to start the position but the successful candidate will be expected to hold classes in German within the first 5 years.